

The supplier acknowledges that, with the acceptance of the drawing, he is in a position to manufacture the illustrated part in accordance with the drawing in reproducible form and series production. Through the selected manufacturing processes no impairments will arise in the material and structure which could subsequently lead to an impairment of the component. Verbal agreements over and above that are not valid. Deviations from this rule must be written and must be signed by the purchaser.

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Technische Daten/ technical data	: Akkupack/ battery pack
Chemie/ chemistry	: Lithium Ion
Zellenzahl/ no. of cells	: 4 Zellen/ cells ; 4S1P
Zellentyp/ cell type	: INR18650 LGC MJ1
Kapazität/ capacity	: nom. 3450mAh discharge at 0.2C min. 3400mAh discharge at 0.2C

Innenwiderstand/ impedance	: < 240mOhm (battery and safetyboard)
Nominalspannung/ nominal voltage	: 14.8V
Standard Ladespannung/ standard charge voltage	: 16.8V±1%
Standard Entladespannung/ standard discharge voltage	: 10V

Nominaler Lade-/Entladestrom/ nominal charge/discharge current	: 0.5C
Maximaler Lade-/Entladestrom/ maximum charge/discharge current	: 1C
Lade-/Entladestrom/ charge/discharge end current	: 0.01C recommended

Maximaler Entladestrom/ maximum discharge current	: 4000mA (limited by safetyboard)
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Anwendungstemperaturbereich/ ambient temperature range	: 0°C...+45°C charge -20°C...+60°C discharge -20°C...+30°C storage max. 1 year -20°C...+45°C storage max. 3months
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Selbstentladung/ self discharge	: ≤ 5% / month at 20°C ≤ 10% / month at 30°C ≤ 20% / month at 40°C
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Standards/ standards	: UN 3480, Subsection 38.3 All cells and battery packs type tested according to UN manual of test and criteria subsection 38.3
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Technische Daten/ technical data	: Sicherheitschaltung/ safety board (0180-3199)
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Überladeschutzspannung/ over charge voltage detection	: 4.35V±25mV per cell
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Wiedereinschaltspannung/ over charge release voltage	: 4.15V±50mV per cell
Entladeschutzspannung/ over discharge detection voltage	: 2.4V±80mV per cell

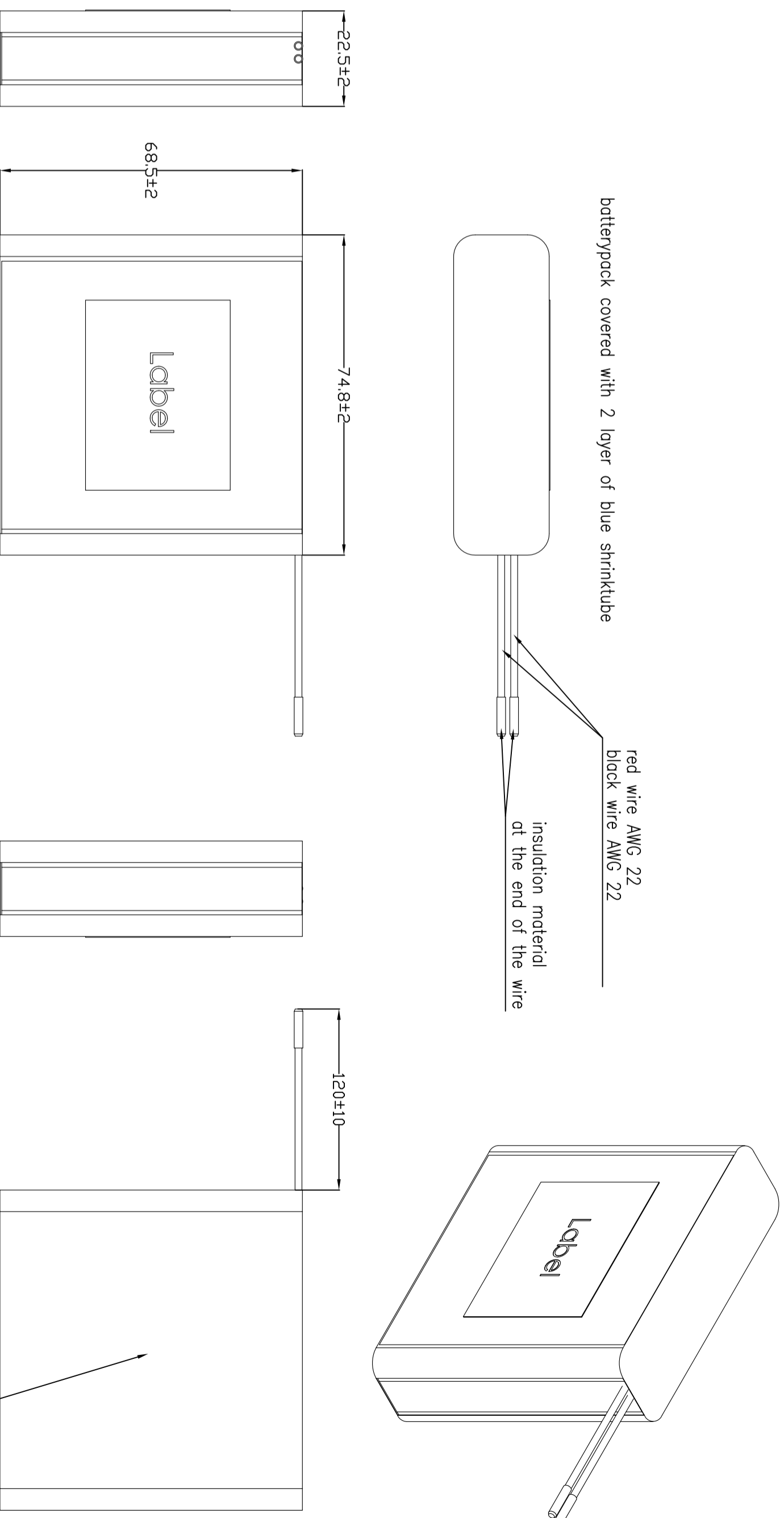
Wiedereinschaltspannung/ over discharge release voltage	: 3.0V±100mV per cell
Nominaler Lade-/Entladestrom/ nominal operating current	: 4A
Entlade Abschaltstrom/ discharge cut off current	: 15A± 5A

Kurzschlusschutz/ short circuit protection	: gegen äußeren Kurzschluss/ against external short circuit
Temperaturerweiterung/ temperature switch	: PTC : JK-P600 20V/6A at 25°C; 5.2A at 40°C

MOSFET	: im Pluszweig/ in positive path
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Rückstellkriterium/ release condition	: Last trennen, Aktiv nach Anladen/ cut load, release after charging up
Leiterplattenmaterial/ pcb material	: FR4

Nettogewicht/ net weight	: 203.2g
Standards	: CE



Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin	Proj. IS-2016-01263
VO	created this D/S	12.10.16	JX		

Verwendungsbereich/Application range für Anfrage/for inquiry IS-2016-01263		Zul. Abweichung/ Allowable deviation DIN ISO 2768-m	Oberfläche/ Surface	Maßstab/Scale (DIN A2): 1:1	Gewicht/Weight
		2016 Erstellt/ Drawn by	JX	Werkstoff/Work material, Modell-Nr.	
		Zeichnungsname/Drawing name Li-Ion-14.8V-3450mAh-4S1P-PTC/LG with safetyboard			
		Zeichnungsnummer/Drawing number Arbeitsnummer/Job nr. 2447-3032-20			Blatt/ Sheet 1
		Ersatz für/Replaced by			Ersatz durch/Replacement through